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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/054,245	01/24/2002	Douglad Ross Cardy	CCK94028	3727

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WORLD COM, INC.  
TECHNOLOGY LAW DEPARTMENT  
1133 19TH STREET NW  
WASHINGTON, DC 20036

EXAMINER

HOOSAIN, ALLAN

ART UNIT PAPER NUMBER

2645

DATE MAILED: 03/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

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# Office Action Summary

Application No.

10/054,245

Applicant(s)

CARDY ET AL.

Examiner

Allan Hoosain

Art Unit

2645

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 24 January 2002.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-46 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-46 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-46 are rejected under 35 U.S.C. 102(e) as being anticipated by **Wheeler, Jr. et al.** (US 5,572,583).

As to Claims 1,9,11-14,22-24,27-37,39-43, with respect to Figures 2-6, **Wheeler, Jr.** teaches a CO-SSP Apparatus for decentralizing communications services in an AIN telecommunications system (Figure 2), comprising:

CO-SSP

a switch fabric which provides bearer functions (Figure 2, labels 51-53);

SCP 43

a switch intelligence, ISCP 40, which provides control functions for said switch fabric,

said switch intelligence logically separated from said switch fabric (Figure 1);

an administrative module, 55, (switch fabric proxy service), for providing a normalized interface, 61, between said switch fabric and said switch intelligence for all communications involving said switch fabric by interfacing to said switch fabric with any one of a plurality of

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application program interfaces, 59, and interfacing to said switch intelligence with a uniform application program interface, 73, (Figure 2); and

an IP (feature processor), said feature processor executing at least one telecommunications feature, for interacting with said switch intelligence to thereby provide said telecommunications feature (Figure 5).

As to Claim 2, **Wheeler, Jr.** further teaches the system of claim 1, wherein said switch intelligence further comprises:

at least one facility instance instantiated by a facility service using a facility model, said facility instance representing the bearer and signaling facilities of a party to a call, for interacting with said switch fabric proxy service to communicate with said switch fabric (Figure 5 and Figure 6).

As to Claim 3, **Wheeler, Jr.** further teaches the system of claim 2, wherein said ISCP 40 switch intelligence further comprises:

SCP 43 (connection manager service) representing the connectors for said party to a call for interacting with said switch fabric proxy service to communicate with said switch fabric (Figure 3 and Figure 6).

As to Claim 4, **Wheeler, Jr.** teaches the system of claim 3, wherein said ISCP 40 switch intelligence further comprises:

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at least one call segment instance instantiated by a call segment instance service using a call model, said call segment instance representing the call logic and call data for said party to a call, for interacting with said IP (feature processor), said SCP 43 (connection manager service), and said off-hook facility instance (Figures 5-6).

As to Claim 5, **Wheeler, Jr.** teaches the system of claim 2, wherein said switch intelligence further comprises:

a first call processing creation environment, SCE 42, said SCE 42 (first call processing creation environment) interacting with said facility service for modifying said facility model (Col. 18, lines 5-21).

As to Claim 6, **Wheeler, Jr.** teaches the system of Claim 4, wherein said ISCP 40 (switch intelligence) further comprises:

SCP-43 (a second call processing creation environment), said second call processing creation environment interacting with said call segment instance service, for modifying said call model (Col. 18, lines 5-21 and Col. 19, lines 23-28).

As to Claim 7, **Wheeler, Jr.** teaches the system of claim 2, wherein said ISCP 40 (switch intelligence) further comprises:

greeting recording (a third call processing creation environment), said third call processing creation environment interacting with said facility service, for creating new facility models (Col. 18, lines 17-21 and 33-35).

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As to Claim 8, **Wheeler, Jr.** teaches the system of claim 4, wherein said ISCP 40 (switch intelligence) further comprises:

subscriber authorization (a fourth call processing creation environment), said fourth call processing creation environment interacting with said call segment instance service, for creating new call models (Col. 19, lines 1-8).

As to Claims 10,15,25,38, **Wheeler, Jr.** teaches an apparatus according to claim 9, wherein said plurality of application programming interfaces is at least one of vendor-specific and switch-fabric-specific (Col. 5, lines 55-63).

As to Claims 16-21, **Wheeler, Jr.** teaches an apparatus according to claim 11 wherein said switch-fabric proxy service translates switch-fabric communications into switch-intelligence communications (Col. 8, lines 1-13 and Col. 9, lines 8-56).

As to Claim 26, **Wheeler, Jr.** teaches an apparatus according to claim 22 wherein said switch intelligence provides control functions to a plurality of switch fabrics (Figure 3).

As to Claim 44, with respect to Figure 4B, **Wheeler, Jr.** teaches an apparatus comprising:

an IP (feature processor) for executing at least one telecommunications function (Figure 4B); and

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an application programming interface, 211,213,203,205, communicating with said feature processor, wherein said application programming interface translates feature processor communications into at least one of communications defined according to a uniform interface and switch intelligence communications (Figure 4B).

As to Claims 45-46, with respect to Figures 3-6, **Wheeler, Jr.** teaches an apparatus for coupling at least one switch fabric having a control interface to at least one switch intelligence for controlling the switch fabric, the switch intelligence being physically separated from the switch fabric, comprising:

a switch-fabric proxy service including a first interface, 59-61, communicable with the switch fabric, the first interface being compatible with the switch-fabric control interface, and

a second interface, 61-73, communicable with the switch intelligence by which the switch intelligence controls the switch fabric (Figure 2 and Figure 5).

### ***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**McAllister** (5,655,007) teaches an AIN system with programmable CO switching functions.

**Farris et al.** (US 5,761,290) teach an AIN network which utilizes different vendors switches as CO-SSPs.

5. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

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Washington, D.C. 20231  
or faxed to:

(703) 872-9314, (for formal communications intended for entry)

Or:

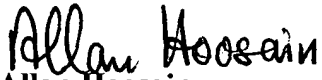
(703) 306-0377 (for customer service assistance)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Allan Hoosain** whose telephone number is (703) 305-4012. The examiner can normally be reached on Monday to Friday from 7 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Fan Tsang**, can be reached on (703) 305-4895.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

  
**Allan Hoosain**  
**Primary Examiner**  
3/6/03